Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/09/2020 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124275	-1	1.93	124307	1.95
Blue	F	SSC	125000	124799	-1	1.58	125492	1.56
Blue	E	FITC	15892	15390	-4	2.74	334	20.81
Blue	D	PE	29999	29512	-2	1.90	644	14.86
Blue	B	PerCP-Cy5-5	43732	43487	-1	3.56	1163	20.57
Blue	A	PE-Cy7	30845	30805	-1	6.05	587	41.14
Red	C	APC	46112	45610	-2	2.46	1608	11.93
Red	A	APC-Cy7	30458	29451	-4	2.36	775	11.69
Violet	B	V450	7918	7600	-5	4.28	437	13.04
Violet	A	V500	32171	31049	-4	4.06	728	10.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17128	10.27	624	3	N/A	N/A	Pass
Blue	F	SSC	57518	1.16	565	6	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0189	171	Pass
Blue	D	PE	135	48.35	550	2	0.1477	214	Pass
Blue	B	PerCP-Cy5-5	214	50.77	656	0	0.0089	67	Pass
Blue	A	PE-Cy7	110	102.79	699	1	0.0108	20	Pass
Red	C	APC	384	24.48	585	1	0.0252	116	Pass
Red	A	APC-Cy7	171	29.03	555	-1	0.0061	1427	Pass
Violet	B	V450	66	60.65	461	3	0.0549	2463	Pass
Violet	A	V500	108	36.03	477	3	0.0240	1184	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.29	-31.89	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.54	13.60 - 20.40	N/A	N/A	29.44	29.87	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10899

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments